

Message

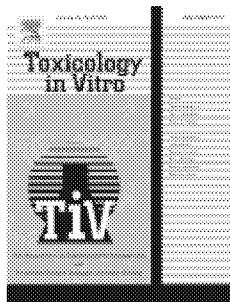
From: ScienceDirect Message Center [valert@prod.sciencedirect.com]
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Subject: Toxicology in Vitro: Alert 25 February-2 March



Alert: Toxicology in Vitro

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Toxicology in Vitro
Volume 32 , Pages 1-362, April 2016

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Superoxide-hydrogen peroxide imbalance interferes with colorectal cancer cells viability, proliferation and oxaliplatin response Original Research Article

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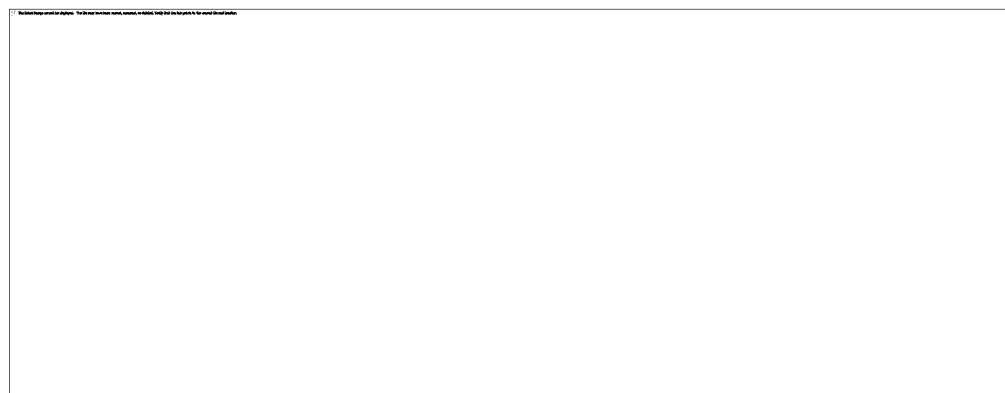
Verônica Farina Azzolin, Francine Carla Cadoná, Alencar Kolinski Machado, Maiquidieli Dal Berto, Fernanda Barbisan, Eduardo Bortoluzzi Dornelles, Werner Giehl Glanzner, Paulo Bayard Gonçalves, Claudia Giugliano Bica, Ivana Beatrice Mânic da Cruz

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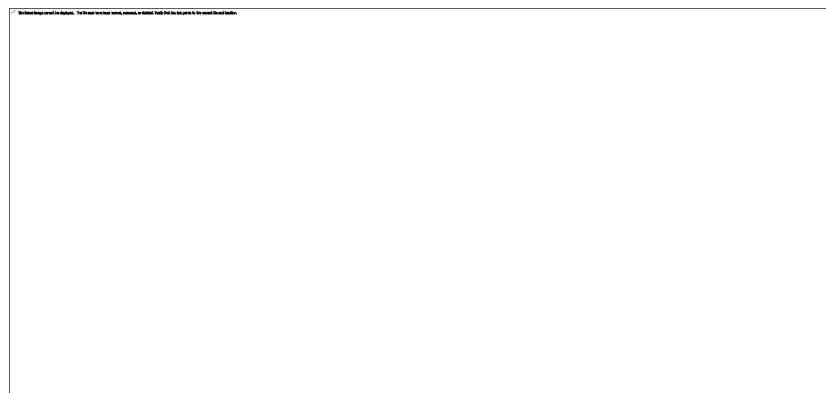


Mitochondrial toxicity of selective COX-2 inhibitors via inhibition of oxidative phosphorylation (ATP synthesis) in rat liver mitochondria Original Research Article

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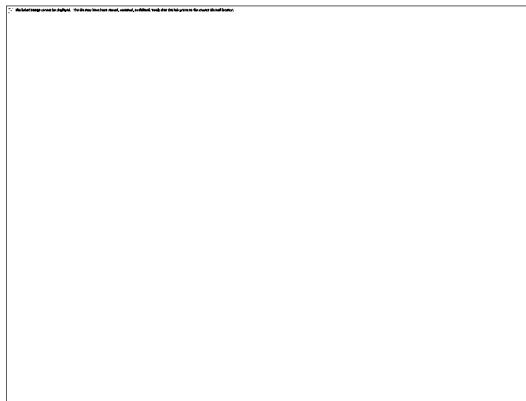
Graphical abstract



Protective effect of carnosic acid against paraquat-induced redox impairment and mitochondrial dysfunction in SH-SY5Y cells: Role for PI3K/Akt/Nrf2 pathway Original Research Article
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Atrazine and malathion shorten the maturation process of *Xenopus laevis* oocytes and have an adverse effect on early embryo development Original Research Article

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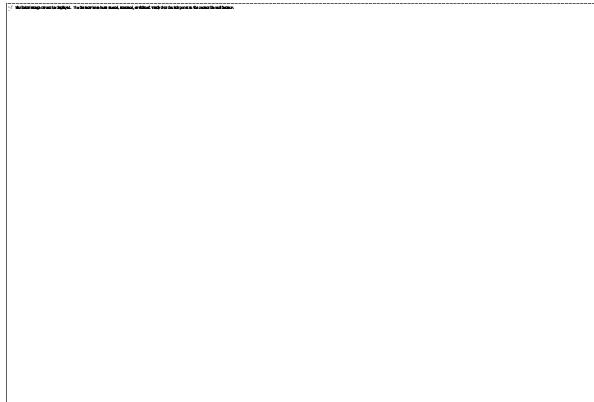
Qichao Ji, Jessica Lee, Yu-Huey Lin, Guihua Jing, L. Jillianne Tsai, Andrew Chen, Lindsay Hetrick, Dylan Jocoy, Junjun Liu

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Selenite induces DNA damage and specific mitochondrial degeneration in human bladder cancer cells Original Research Article

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Brominated flame retardants, hexabromocyclododecane and tetrabromobisphenol A, affect proinflammatory protein expression in human bronchial epithelial cells via disruption of intracellular signaling Original Research Article

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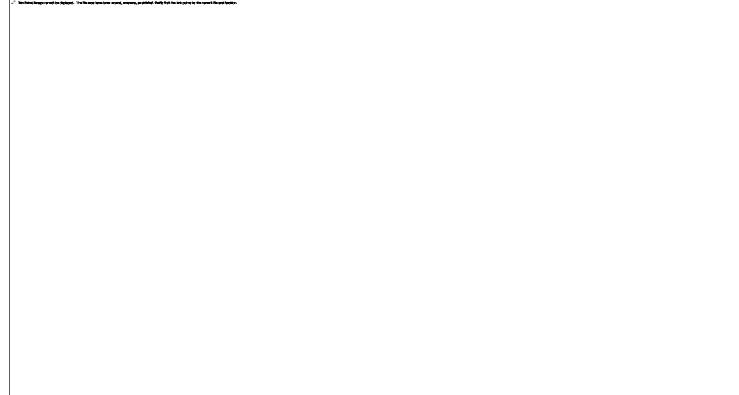
Thirdhand smoke: Chemical dynamics, cytotoxicity, and genotoxicity in outdoor and indoor environments Original Research Article

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Vasundhra Bahl, Hyung Jun Shim, Peyton Jacob, Kristen Dias, Suzaynn F. Schick, Prue Talbot

Graphical abstract

Graphical overview of the assays and results. Two THS generation experiments were conducted and THS constituents were quantified using LC-MS/MS. Aging of THS chemicals, which caused the chemical composition to change, differed in indoor and outdoor environments. THS extracts were tested for cytotoxicity using the MTT assay, a live cell imaging assay, and the comet assay. THS extracts from the outdoor (car) experiment were genotoxic to mouse neural stem cells (mNSC) and human dermal fibroblasts (hDF). Extracts from the indoor experiments were highly cytotoxic to mNSC when extracted with serum proteins.

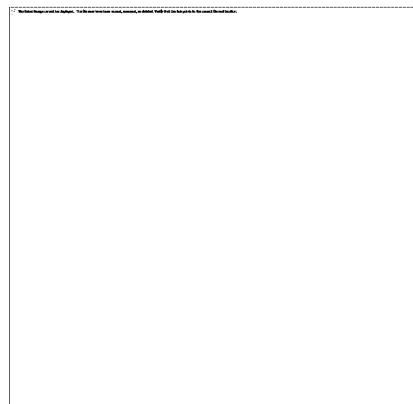


The fungicide thiabendazole causes apoptosis in rat hepatocytes Original Research Article

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Influence of hexabromocyclododecane and 4-nonylphenol on the regulation of cell growth, apoptosis and migration in prostatic cancer cells Original Research Article

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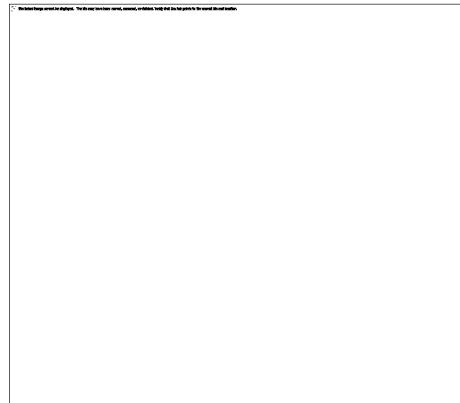
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